

## CLAIMS

We claim:

1. A light guide system, comprising:  
a light conduit for directing light;  
a reflective material coated to the light conduit without a boundary between the light conduit and the reflective material.
2. The system according to claim 1, wherein the reflective material defines a border of a volume through which light can travel and the index of refraction of the volume is substantially constant.
3. The system according to claim 2, wherein the index of refraction of the volume is the index of refraction of the light conduit.
4. The system according to claim 1, further including a light source optically coupled to the light conduit.
5. The system according to claim 1, further including a display structure optically coupled to the light conduit.
6. The system according to claim 1, wherein the reflective material is a conformal coating.
7. The system according to claim 1, wherein the reflective material includes at least one of tin, nickel, copper, zinc, aluminum, silver, gold, chromium, and an alloy and a composite

thereof.

8. The system according to claim 1, wherein the light conduit is a transparent member.
9. The system according to claim 1, wherein the light conduit is part of an electronic device.
10. The system according to claim 1, wherein the light conduit includes a substantially planar surface at which the reflective material is coated.
11. A light guide system, comprising:
  - a light conduit for directing light; and
  - a conformal coating of a reflective material on the light conduit without a boundary between the light conduit and the conformal coating.
12. The system according to claim 11, wherein the conformal coating defines a border of a volume through which light can travel and the index of refraction of the volume is substantially constant.
13. The system according to claim 12, wherein the index of refraction of the volume is the index of refraction of the light conduit.
14. The system according to claim 11, further including a light source optically coupled to the light conduit.

15. The system according to claim 11, further including a display structure optically coupled to the light conduit.
16. The system according to claim 11, wherein the light conduit includes a substantially planar surface at which the reflective material is coated.
17. A method of increasing the efficiency of a light guide system, comprising the steps of:  
providing a light conduit  
coating the light conduit with a reflective material without a boundary between the coating and the light conduit.
18. The method according to claim 17, wherein the coating conforms to the shape of the light conduit.
19. The method according to claim 17, wherein the coating step includes spraying reflective material.
20. The method according to claim 17, wherein the coating step includes the step of applying reflective material selected among the group comprising tin, nickel, copper, zinc, aluminum, silver, gold, chromium, and an alloy and a composite thereof.